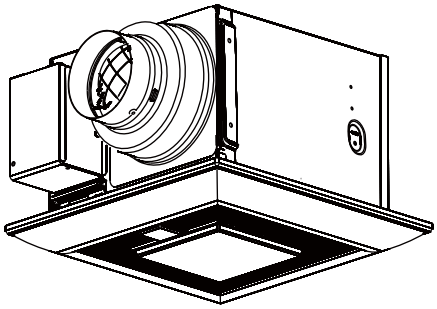
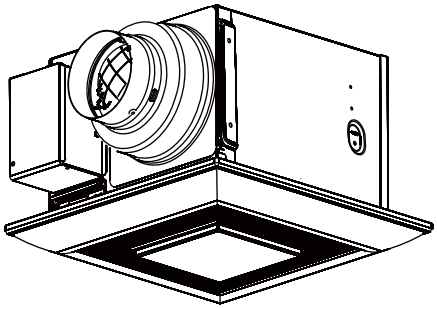
PEG1210025CE
Version:1201

# Service Manual

## Ventilating Fan
(North America Market)



FV-08VKME3



FV-08VKSE3

■ Specifications

| Model No. | Air direction | Voltage (V) | Frequency (Hz) | Duct diameter (inches) | Noise (sones) | Power consumption (W) | | | Speed (rpm) | Air volume at 0.1"WG (CFM) | Weight lb.( kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fan | LED lighting unit | | | | |
| | | | | | | | LIGHT | N.LIGHT | | | |
| FV-08VKME3<br>FV-08VKSE3 | Exhaust | 120 | 60 | 4 or 6 | <0.3 | 8 | 11.5 | 0.8 | 869 | 80 | 11.2(5.1) |

HVI Certified performance based on HVI Procedures 915,916,and 920.

### ⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

### IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacture.
We suggest to handle such parts after the static electricity prevention.
It is forbidden to touch the PCB parts by bare hands during the repairing process.

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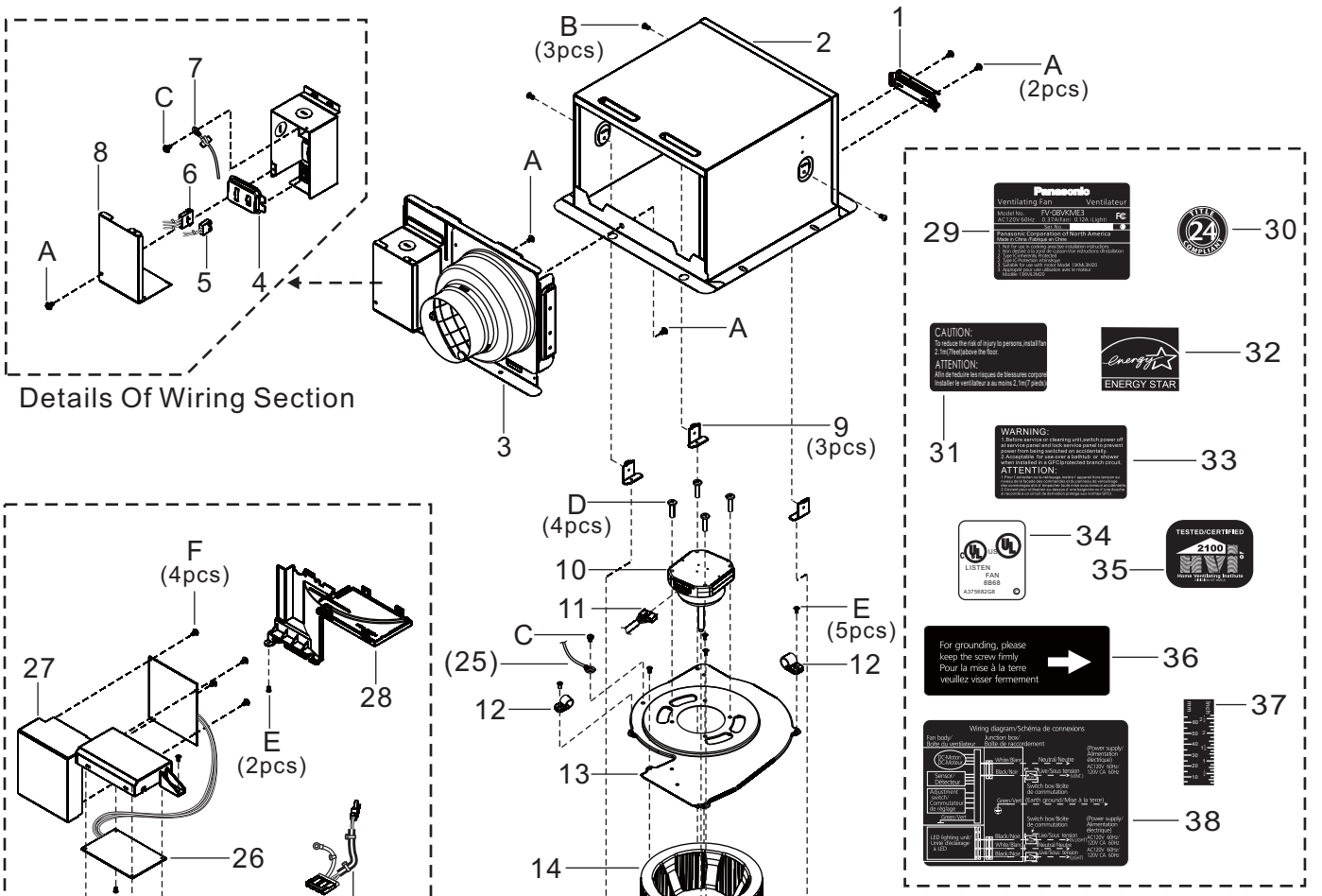
Panasonic®

# 1.Parts Identification

FV-08VKME3

## Main Body Section




Main PCB Section

Main Labels
(Stuck On Frame Assembly)

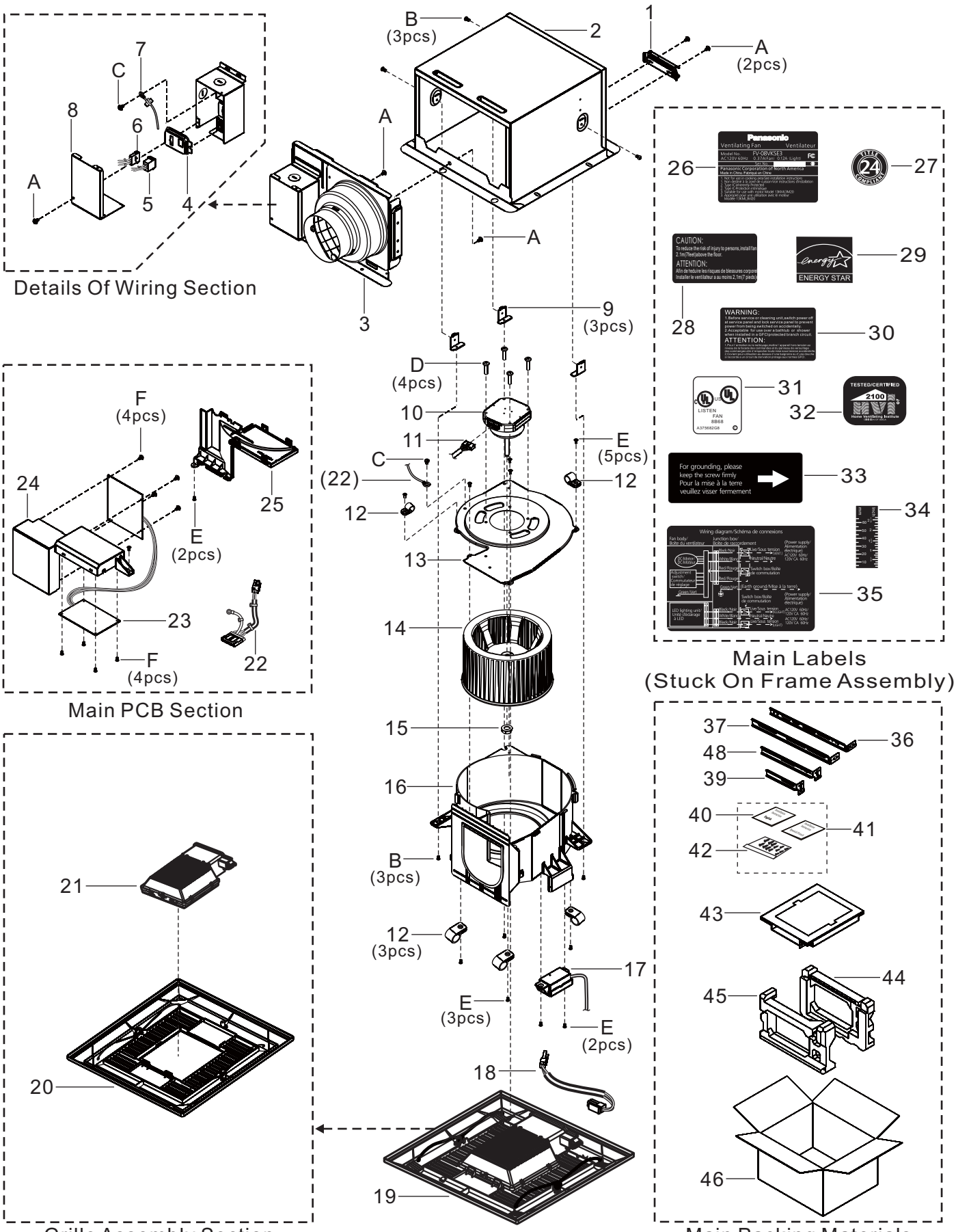
Grille Assembly Section

Main Packing Materials

# 1.Parts Identification

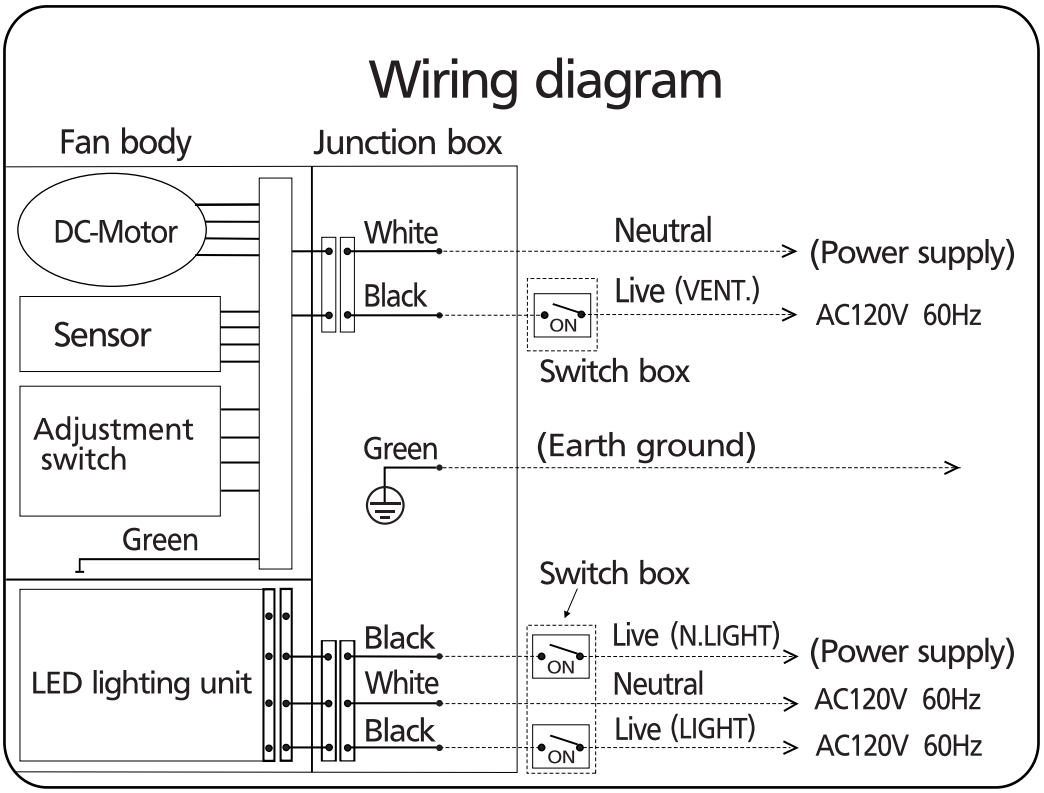
FV-08VKSE3

## Main Body Section

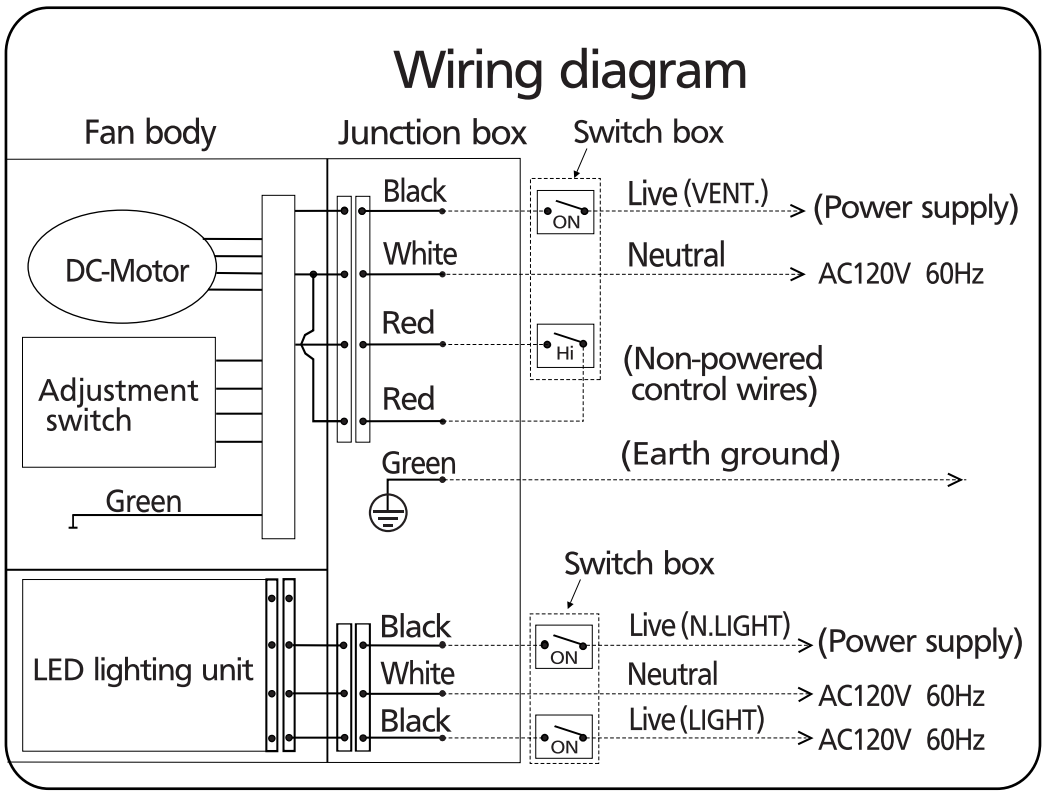


# 2.Wiring Diagram

## FV-08VKME3




## FV-08VKSE3



# 3.Parts List

FV-08VKME3

| No. | Part No. | Part Name | Q'ty | Remark |
|---|---|---|---|---|
| 1 | FFV0420027S | Bracket Cover | 1 | |
| 2 | FFV1600111S | Frame Assembly | 1 | |
| 3 | FFV0000112S | Adapter Assembly | 1 | ⚠ |
| 4 | FFV0900048S | Connector Plate | 1 | |
| 5 | FFV0900049S | Connector Assembly V | 1 | ⚠ |
| 6 | FFV0900039S | Connector Assembly L | 1 | ⚠ |
| 7 | FFV1340008S | Earth Lead Wire Assembly | 1 | ⚠ |
| 8 | FFV2800012S | Junction Cover | 1 | |
| 9 | FFV0800001S | Casing Support | 3 | |
| 10 | FFV3700323S | Motor Assembly | 1 | ⚠ |
| 11 | FFV3700324S | Motor Lead Wire Assembly | 1 | ⚠ |
| 12 | FFV0960001S | Nylon Clamp | 4 | |
| 13 | FFV3700325S | Motor Support | 1 | |
| 14 | FFV0400103S | Blade | 1 | |
| 15 | FFV7020021S | Nut | 1 | For Fixing Blade |
| 16 | FFV0790077S | Casing | 1 | |
| 17 | FFV0740027S | Nylon Clamp | 1 | |
| 18 | FFV5530063S | Switch Assembly | 1 | ⚠ |
| 19 | FFV3420050S | Light Lead Wire Assembly | 1 | ⚠ |
| 20 | FFV3420051S | Grille Unit | 1 | Not Include Sensor Box Assembly ⚠ |
| 21 | FFV2220051S | Sensor Cover | 1 | ⚠ |
| 22 | FFV3420052S | Grille Assembly | 1 | |
| 23 | FFV5500028S | Sensor Box Assembly | 1 | ⚠ |
| 24 | FFV3420053S | Light Unit Assembly | 1 | ⚠ |
| 25 | FFV4620075S | Power Lead Wire | 1 | ⚠ |
| 26 | FFV3740015S | Main PCB Assembly | 1 | ⚠ |
| 27 | FFV3740016S | Main PCB Box | 1 | ⚠ |
| 28 | FFV3740014S | Main PCB Cover | 1 | ⚠ |
| 29 | FFV4020767S | Name Plate | 1 | |
| 30 | FFV4730001S | T24 Mark Label | 1 | |
| 31 | FFV6730041S | Warning Label | 1 | |
| 32 | FFV1320001S | ESP Mark | 1 | |
| 33 | FFV0810002S | Caution Label | 1 | |
| 34 | FFV2260003S | UL Mark | 1 | |
| 35 | FFV2260002S | HVI Mark | 1 | |
| 36 | FFV6730045S | Warning Label | 1 | |
| 37 | FFV5720015S | Scale Tape | 1 | |
| 38 | FFV6730063S | Wiring Label | 1 | |
| 39 | FFV5710023S | Suspension Bracket Ⅰ | 1 | |
| 40 | FFV5710024S | Suspension Bracket Ⅱ | 1 | |

# 3.Parts List

FV-08VKME3

| No. | Part No. | Part Name | Q'ty | Remark |
|---|---|---|---|---|
| 41 | FFV5710018S | Suspension Bracket Ⅳ | 1 | |
| 42 | FFV5710019S | Suspension Bracket Ⅲ | 1 | |
| 43 | FFV2540143S | Installation Instruction | 1 | English,For CA Market/USA Market |
| 44 | FFV2540144S | Installation Instruction | 1 | French,For USA Market |
| (44) | FFV2540145S | Installation Instruction | 1 | Spanish,For CA Market |
| 45 | FFV0010200S | Accessory A | 1 | |
| 46 | FFV4710353S | Grille Case Assembly | 1 | |
| 47 | FFV4710344S | Right Pad | 1 | |
| 48 | FFV4710345S | Left Pad | 1 | |
| 49 | FFV4710330S | Sensor Pad | 1 | |
| 50 | FFV9001041S | Packing Case Assembly | 1 | |
| A | FFV7000108S | Truss Tap Screw | 5 | |
| B | FFV7000065S | Bind Screw | 6 | |
| C | FFV7000168S | Earth Screw Assembly | 2 | ⚠ |
| D | FFV7000109S | Stainless Steel Screw | 4 | |
| E | FFV7000089S | Truss Tap Screw | 12 | |
| F | FFV7000164S | Pan Tap Screw | 8 | |

# 4.Parts List

FV-08VKSE3

| No. | Part No. | Part Name | Q'ty | Remark |
|---|---|---|---|---|
| 1 | FFV0420027S | Bracket Cover | 1 | |
| 2 | FFV1600111S | Frame Assembly | 1 | ⚠ |
| 3 | FFV0000113S | Adapter Assembly | 1 | |
| 4 | FFV0900050S | Connector Plate | 1 | |
| 5 | FFV0900051S | Connector Assembly V | 1 | ⚠ |
| 6 | FFV0900039S | Connector Assembly L | 1 | ⚠ |
| 7 | FFV1340008S | Earth Lead Wire Assembly | 1 | ⚠ |
| 8 | FFV2800012S | Junction Cover | 1 | |
| 9 | FFV0800001S | Casing Support | 3 | |
| 10 | FFV3700323S | Motor Assembly | 1 | ⚠ |
| 11 | FFV3700324S | Motor Lead Wire Assembly | 1 | |
| 12 | FFV0960001S | Nylon Clamp | 5 | |
| 13 | FFV3700325S | Motor Support | 1 | |
| 14 | FFV0400103S | Blade | 1 | |
| 15 | FFV7020021S | Nut | 1 | For Fixing Blade |
| 16 | FFV0790077S | Casing | 1 | |
| 17 | FFV5530063S | Switch Assembly | 1 | ⚠ |
| 18 | FFV3420050S | Light Lead Wire Assembly | 1 | ⚠ |
| 19 | FFV3420055S | Grille Unit | 1 | ⚠ |
| 20 | FFV3420054S | Grille Assembly | 1 | |
| 21 | FFV3420053S | Light Unit Assembly | 1 | ⚠ |
| 22 | FFV4620076S | Power Lead Wire | 1 | ⚠ |
| 23 | FFV3740017S | Main PCB Assembly | 1 | ⚠ |
| 24 | FFV3740016S | Main PCB Box | 1 | ⚠ |
| 25 | FFV3740014S | Main PCB Cover | 1 | ⚠ |
| 26 | FFV4020768S | Name Plate | 1 | |
| 27 | FFV4730001S | T24 Mark Label | 1 | |
| 28 | FFV6730041S | Warning Label | 1 | |
| 29 | FFV1320001S | ESP Mark | 1 | |
| 30 | FFV0810002S | Caution Label | 1 | |
| 31 | FFV2260003S | UL Mark | 1 | |
| 32 | FFV2260002S | HVI Mark | 1 | |
| 33 | FFV6730045S | Warning Label | 1 | |
| 34 | FFV5720015S | Scale Tape | 1 | |
| 35 | FFV6730064S | Wiring Label | 1 | |
| 36 | FFV5710023S | Suspension Bracket Ⅰ | 1 | |
| 37 | FFV5710024S | Suspension Bracket Ⅱ | 1 | |
| 38 | FFV5710018S | Suspension Bracket Ⅳ | 1 | |
| 39 | FFV5710019S | Suspension Bracket Ⅲ | 1 | |
| 40 | FFV2540143S | Installation Instruction | 1 | English,For CA Market/USA Market |

# 4.Parts List

FV-08VKSE3

| No. | Part No. | Part Name | Q'ty | Remark |
|---|---|---|---|---|
| 41 | FFV2540144S | Installation Instruction | 1 | French,For USA Market |
| (41) | FFV2540145S | Installation Instruction | 1 | Spanish,For CA Market |
| 42 | FFV0010200S | Accessory A | 1 | |
| 43 | FFV4710353S | Grille Case Assembly | 1 | |
| 44 | FFV4710344S | Right Pad | 1 | |
| 45 | FFV4710345S | Left Pad | 1 | |
| 46 | FFV9001042S | Packing Case Assembly | 1 | |
| A | FFV7000108S | Truss Tap Screw | 5 | |
| B | FFV7000065S | Bind Screw | 6 | |
| C | FFV7000168S | Earth Screw Assembly | 2 | ⚠ |
| D | FFV7000109S | Stainless Steel Screw | 4 | |
| E | FFV7000089S | Truss Tap Screw | 12 | |
| F | FFV7000164S | Pan Tap Screw | 8 | |